

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005412

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ C09K11/00, 11/08, 11/80, H01L33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ C09K11/00, 11/08, 11/80, H01L33/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAPLUS (STN), REGISTRY (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 2002-208740 A (Nichia Chemical Industries, Ltd.), 26 July, 2002 (26.07.02), (Family: none)	1-7, 11-15 8-10, 16-18
X A	WO 2002/86978 A1 (Nichia Chemical Industries, Ltd.), 31 October, 2002 (31.10.02), & EP 1394864 A1 & US 2004/95063 A1	1-7, 11-15 8-10, 16-18
X A	Takashi MUKAI et al., "Hakushoku Oyobi Shigai LED", Oyo Butsuri, 1999, Vol.68, No.2, pages 152 to 155	1-4 5-18



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

-A- document defining the general state of the art which is not considered to be of particular relevance

-E- earlier application or patent but published on or after the international filing date

-L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

-O- document referring to an oral disclosure, use, exhibition or other means

-P- document published prior to the international filing date but later than the priority date claimed

-T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

-X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

-Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

-&- document member of the same patent family

Date of the actual completion of the international search

12 July, 2005 (12.07.05)

Date of mailing of the international search report

02 August, 2005 (02.08.05)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

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Regarding claims 1-5, 7-13, 15-18:

These claims relate to a fluorescent substance represented by properties only, properties and physically shape only, an activating agent only, or the composition of a crystallized glass at a portion different from the fluorescent substance.

Although these claims include all the fluorescent substances having such properties and the like, what are supported in the description within the meaning of PCT Article 6 and disclosed within the meaning of PCT Article 5 are considered to constitute only very small part of the claimed fluorescent substance.

In addition, since a fluorescent substance represented only by such properties and the like cannot be specified in its scope even when a technical common sense at the time of application is taken into consideration, these claims fail to fulfill the requirement of clearness in PCT Article 6.

Accordingly, our search has been centered around the inventions concerning a fluorescent substance specifically mentioned in the description.

For your reference, full search has been carried out on claims 6 and 14.